



*[Handwritten signature]*

**CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: 1-20-05

By: *Sari Nieto*  
Signature of Person Depositing as First Class Mail

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

**PATENT**

Applicants:	He et al.	Docket No.:	15730.0800
Serial No.:	10/648,571	Art Unit:	3742
Filed:	August 26, 2003	Examiner:	Walberg, T.
Title:	METHODS AND APPARATUS FOR A VARIABLE RESISTOR CONFIGURED TO COMPENSATE FOR NON-LINEARITIES IN A HEATING ELEMENT	Confirmation No.:	4102

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Attached herewith is a Response to Office Action mailed September 21, 2004 in the captioned matter.

**I. Attached:**

- ☒ [ X ] Response to Office Action  
☒ [ X ] Acknowledgment Postcard

**II. Small Entity Status**

- ☐ [ ] Small entity status under 37 C.F.R. §§1.9 and 1.27 is claimed.

**FEE CALCULATION, CLAIMS AS AMENDED**

	Claims remaining after amendment		Highest number previously paid for		Present Extra		
Total Effective Claims	19	-	19	=	0	x \$ 50.00 =	0.00
Independent Claims	3	-	3	=	0	x \$ 200.00 =	\$0.00
If amendment enters proper multiple dependent claim(s) into this application for first time (per application)						\$360.00 +	N/A
						<b>Subtotal:</b>	<b>0.00</b>

1623281

**Fee Calculation: Request for Extension of Time  
pursuant to 37 C.F.R. §1.17(a)**

<input checked="" type="checkbox"/> [ X ] Response filed within <b>first</b> month after due date – add	\$ 120.00 +	\$120.00
<input type="checkbox"/> [ ] Response filed within <b>second</b> month after due date – add	\$ 450.00 +	N/A
<input type="checkbox"/> [ ] Response filed within <b>third</b> month after due date – add	\$ 1020.00 +	N/A
<input type="checkbox"/> [ ] Response filed within <b>fourth</b> month after due date – add	\$1590.00 +	N/A
<input type="checkbox"/> [ ] Response filed within <b>fifth</b> month after due date – add	\$2160.00 +	N/A
	<b>Subtotal:</b>	\$120.00

If one of the "small entity" boxes above is checked, enter half (1/2) of the Subtotal and subtract.

N/A

**TOTAL FEES DUE     \$120.00**

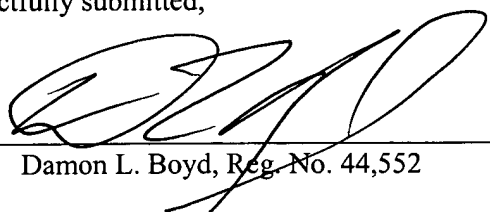
**III. Manner of Payment**

- ☐ [ ] Snell & Wilmer Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.
- ☒ [ X ] Please charge Deposit Account No. 19-2814 in the amount of \$120.00.
- A duplicate copy of this sheet is attached for this purpose.**
- ☐ [ ] No additional fee is required.

**This statement does NOT authorize charge of the issue fee.** The Commissioner is hereby authorized to charge any other fee specifically authorized hereafter, or any **deficiency** in the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under 37 C.F.R. §§1.16-1.18 (**deficiency** only) now or hereafter relative to this Application and the resulting Official document under 37 C.F.R. §1.20, or credit any overpayment to Account No. 19-2814 for **which purpose a duplicate copy of this sheet is attached.**

Respectfully submitted,

Date: 20 January 2005

By:   
Damon L. Boyd, Reg. No. 44,552

**Snell & Wilmer L.L.P.**  
One Arizona Center  
400 East Van Buren  
Phoenix, Arizona 85004-2202  
(602) 382-6337